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Specificity of the Complement Fixation Reaction
in the Diagnosis of Brucellosis, by B. Tribic,
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pp 103-107.

JPRS 8954

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Tribunskaya, A. Ya.
ADSORPTION OF NITROGEN AND PHOSPHORUS BY
PINE SEEDLINGS ON GRAY FOREST SOILS (Vynosy
Azota i Fosfora Seyantsami Sosny na Serykh Lesnykh
Pochvakh). 1963, 6p. 5 refs. PL-480 Agr.
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63-11013

Trans. of Akademiya Nauk SSSR. Doklady, 1954, v. 97,
no. 5 [p. 927-930].

DESCRIPTORS: *Absorption, Nitrogen, Phosphorus,
*Pine, Plants (Botany), *Soils, Forestry, Trees.

A study was made of the nitrogen and phosphorus content
in pine seedlings grown under different regimes of
nourishment and water supply during their first year
of life. Some data were obtained also for the plants
in their second year of life, both for some nursery
plants and for natural seedlings, which were culti-
vated under forest conditions. (Author)
(Agriculture - Plant Cultivation, TT, v. 10, no. 3)

63-11013

- I. Tribunskaya, A. Ya.
- II. PL-480 Agr (63-11013)
- III. National Science Foun-
dation, Washington, D. C.

Office of Technical Services

Investigation of the Microflora of the
Rhizosphere of Scots Pine and Seedlings,
by A. Ya. Tribunskaya.

RUSSIAN. part, Mikrobiol., Vol XXIV, 1955,
pp 188-192.

083-60-21077
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Sci - Biol
Jul 60

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The Connection Between the Flow and Surface Area of
River Basins, by J. Tricard, F. Hirsch.

~~CONFIDENTIAL~~, par, Annales de Geographie, No 375, 1960, ~~XXXXXX~~
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CSIRO/No 5942

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Feb 63

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by J. Tricart.

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Influence of Saline Soils on Wind
Erosion in Lower Mauritania and the Senegal
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Vol 7, 1954, pp 124-132. P10020457
APCHL 7-7-62

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Technique of Study. Determination of the Direction
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ATS 105-FJ

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Detailed Hydrological Mapping and its
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Tricart.

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J. TRICART

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FRENCH, per, La Houille Blanche, No 4, 1963,
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Analysis of Results: Furnished by the
Industrial Control of Tolerance of Sodium
Polychlorate Tested on the Arterial
Pressure of the Rabbit, by L. F. Tricaud.

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SLA 71-64-20005

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Statistics on Specialists With Advanced and
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JPRS 6709

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Kenneth A. Trickot

Sci-Engr
Oct 505

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Vidosav Trichovic, 60 pp.
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JPRS 24678

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Partial Differential Equations, by F. G. Tricomi.

ITALIAN, bk.

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On the ~~THE~~ Asymptotic Behavior of Laguerre's
Polynomials, by Francesco G. Tricomi, 22 pp.
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*BISI 5802

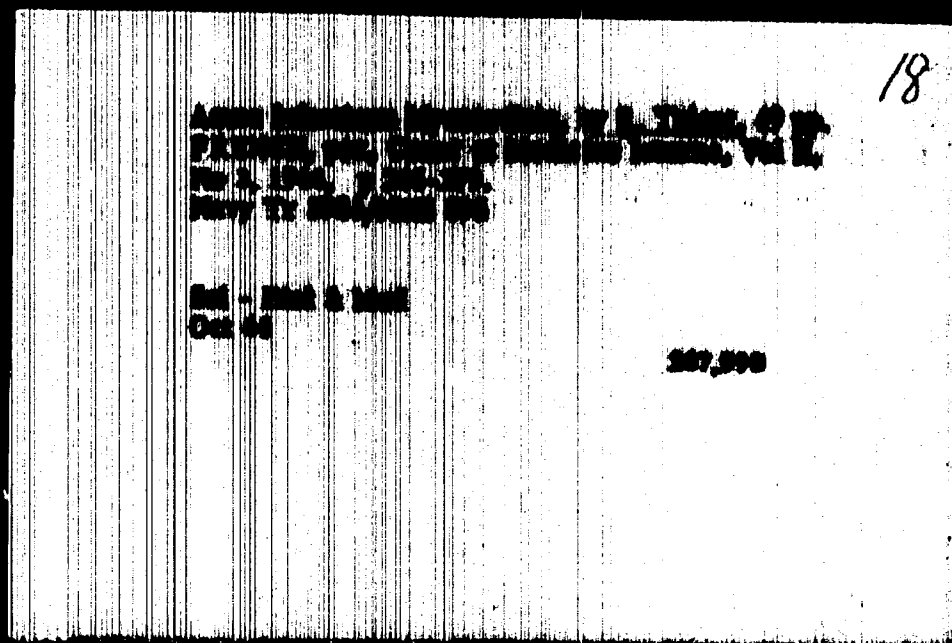
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ATZ-38780

E. Frischel
(T)

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HEINZ TRIEBEL, 17 PP.

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JPRS 14886

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Building With Prefabricated Units in Western
Germany - Trends and Developments, by W.
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May 60

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Wind Shelter Hedges in the Wind Tunnel, by H. Trienes,
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1957, pp 88-93.

AEC UCRL-Trans-608(L)

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Trier, W. and Straub, F.
HEAT TRANSFER FROM GLASS IN THE PARISON
MOULD. Dec 63
Order from BCIRA

BCIRA-590

Trans. of Glastechnische Berichte (West Germany) 1963,
v. 36, no. 7, p. 253-258.

DESCRIPTORS: *Glass, Heat transfer, Molding.

(Materials--Ceramics, TT, v. 11, no. 7)

TT-64-12350

- I. Trier, W.
- II. Straub, F.
- III. BCIRA-590
- IV. British Glass Industry
Research Association,
Sheffield (England)

1176471

Office of Technical Services

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HEAT TRANSFER BETWEEN FLAME AND GLASS
IN GLASS MELTING TANKS. July 63.
Order from BGIRA

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Trans. of Glastechnische Berichte (West Germany)
1963, v. 16, no. 1, p. 71-86.

DESCRIPTORS: Heat transfer, Flames, Glass,
Furnaces.

(Materials--Ceramics, TT, v. 11, no. 1)

TT-63-22445

- I. Trier, W.
- II. BGIRA-573
- III. British Glass Industry
Research Association

Office of Technical Services

Study of the (n,p) and n,Gamma) Reactions in Some
Isotopes of Low Atomic Number, by A. Trier,
L. Gonzalez.

SPANISH, rpt, Examen de Reacciones (n,p) (n,Gamma)
en Algunos Isotopos de Bajo Numero Atomico con Neu-
trones Provenientes de la Reaccion $D(d,n)H^3$ a E -
600 KeV por el Metodo de Activacion, May 1961.

AEC CONF. R. 107

Sci-115
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TT-65-1445

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Erler, W. (1944) 1.
HEAT LOSS FROM GLASS IN THE BLANK MOLD
(Wärmeverluste des Glases in der Vorform), 22p. (English
text included) 15000.
Order from SLA: 42.60 as TT-65-1445

Trans. of Calstechnische Berichte (West Germany) Vol. 7
p453-8 (1961).
Another trans. is in file from DOLLA at DOLLA-529.

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Price, Wolfgang.
 TEMPERATURE AND STRAIN CONDITIONS IN
 CRACKING OF GLASS (Temperatur- und Spannungs-
 Verhältnisse beim Abbrechen von Glas) [1962]
 [10]p. (Orig. text included)
 Order from SLA 51-10

62-14498

L. Triller, W.

Frank. J. Glas-technische Berichte (West Germany)
 1964, v. 27, no. 3, p. 164-166.

DESCRIPTORS: *Glass; *Fractur (Mechanics); Tem-
 perature; Cooling.

The nature of the cracking process is explained by
 simple physical considerations. The observation that
 p. 164-166 that the cracking process is made more dif-
 ficult with the aid of thicknesses, with possibly cooled
 glass and with brittleness, finds its deeper reason
 therein. (Author)

(Materials Research, TT, v. 8, no. 5)

222655

Office of Technical Services

65-14252

Trier, W.
 VISCOSITY DISTRIBUTION AND FLOW OF GLASS IN
 PREFORMERS. [1962] 33p. 20 refs.
 Order from SLA 53.60

65-14252

Trans. of Glastechnische Berichte (West Germany)
 1959, v. 32, p. 11/17-11/25.

DESCRIPTORS: *Glass. *Viscosity. Distribution.
 Molding. Bubbles. Deformation. Cooling. Configuration.
 Liquids. Solids. Melting. Drawing (Machine processing).
 Production. Compressed air. Blowers. *Ceramic
 materials.

An apparatus for measuring the viscosity distribution
 in the glass in a preformer is described. A fine steel
 needle forced through the glass leaves behind a fine
 bubble trace of well-defined shape in the glass. The
 viscosity distribution can be derived from the deforma-
 (Materials--Ceramics, TT, v. 9, no. 5) (over)

- I. Trier, W.
- II. Title International
 Congress on Glass (no. 5)
- III. Title International
 Glass Congress (no. 5)

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Trier, Wolfgang.

TEMPERATURE MEASUREMENTS IN THE GLASS
BATH OF TANK FURNACES (Temperaturmessungen
im Glasbad von Wanneöfen). [1962] [29]p.
(foreign text included) 8 refs.
Order from SLA \$2.60

62-16397

Trans. of Glastechnische Berichte (West Germany)
1953, v. 26, no. 1, p. 5-12.

DESCRIPTORS: *Glass, Melting, Temperature,
Measurement, Test equipment, Gas flow, Convection,
Pyrometers, Sheets, Tests.

A survey is given of the most important temperature
measurements that have been made so far in the glass
bath of tank furnaces. After discussing the testing ap-
paratus, the results of the measurements are criti-
cally examined. It is tried to interpret some of the
(Materials-Ceramics, TIT, v. 8, no. 9) (over)

62-16397

1. Title: Tank furnaces
1. Trier, W.

020984

Office of Technical Services

Trier, Wolfgang.
TEMPERATURE DISTRIBUTION AND HEAT FLOW
IN GLASS IN THE GATHERING MOLD OF HOLLOW
GLASS MACHINES. 28 Feb 61, 12p. (12 figs. omitted)
9 refs.
Order from SLA \$1.60

62-14222

Trans. of Glastechnische Berichte (West Germany)
1960, v. 33, no. 12, p. 449-456.

DESCRIPTORS: *Glass, Cooling, Heat transfer,
Viscosity, Molding, Machines.

By means of a novel puncture method the cooling of a
45 mm thick glass cylinder at about 1100°C in a
modified gathering mold has been studied under condi-
tions comparable to those existing in the machine.
The viscosity distribution was measured in green
glass and white glass and the temperature distribution
(Materials-Ceramics, TT, v. 8, no. 10) (over)

62-14222

1. Trier, W.

[2262]1

Office of Technical Services

Development of ~~Ultrasmelting~~ Pot Furnaces, by Rudolf
Günther, Wolfgang ~~Trig~~, Karl Heing Theissl, 39 pp.

GERMAN, per, ~~Chemischische~~ Berichte, Vol XXX,
No 7, 1957, pp 308-318.

SLA 59-10926

Sci - Engr
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OTB I, 111

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PHOTOGRAPHING FLAMES (Photografieren von
Flammen). Enlarged Version of Lecture at Symposium
on Glass Technology (no. 33) Hamburg, 17 Mar 59.
[1961] [17]. 3 refs.
Order from SLA in \$2.40, ph\$1.30 61-10693

Trans. of Glastechnische Berichte (West Germany)
1960, v. 33, no. 4, p. 127-132.

Flames in glass furnaces can be photographed with
relatively simple aids. When working rapidly it is
sufficient to have a protective screen for the camera.
Color films produce more contrasty pictures than
black-and-white films, especially when a light blue
filter is used. The exposure times ought to be as brief
as possible. Rapidly streaming flames, such as oil
flames, require exposures of 1/1000 second and less
in order to prevent blurring due to movement. The
lens opening should be selected in accordance with the
nature and the brightness of the flame. (Author)
(Materials--Ceramics, T'l. v. 5, no. 10)

61-10693

1. Flames--Photographic
analysis
2. Glass--Production
1. Trier, W.
- II. Title: Symposium.

Office of Technical Services

Trier, Wolfgang.
RAW MATERIAL GRANULATION AND BATCH
MOISTURE. [1963]. BGIRA Tr. 63/17.
Order from BGIRA

BGIRA-SSO

Trans. of mono. Report to Fachauschuss III der
D. G. G., 5 Apr 62.

DESCRIPTORS: *Glass, *Materials, Processing,
*Moisture

(Materials--Ceramics, TT, v. 10, no. 4)

63-17442

I. Trier, W.
II. BGIRA-Tr/63/17
III. BGIRA-SSO
IV. British Glass Industry
Research Association

Office of Technical Services

Trier, Wolfgang.
HEAT FLUX IN GLASS MOLDS (Wärmefluss in
Glasformen) [1961] [47]p. (foreign text included).
Order from SLA \$4.60 61-20841

Trans. of unidentified German language mono.,
n.p., n.d.

DESCRIPTORS: *Molding, Molding materials, *Glass,
*Heat transfer, Stability, High temperature research,
Cooling, Surfaces, Walls, Containers.

(Material) - Ceramics TT, v. 7, no. 8)

61-20841

I. Trier, W.

Office of Technical Services

Swelling of a Liquid Surface Under the Influence of
Ultrasound, by M. Kornfeld and V. I. Triers, 3 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXVI, No 12,
1956, pp 2778-2780.

Amer Inst of Phys
Sov Phys-Tech Phys
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The FIGB'S (the Soviet Zone Government-Controlled
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of the Soviet Occupation Zone, ~~Stamps~~, by Guenter
Triesch, 26 pp. OFFICIAL USE ONLY

GERMAN, Nov 1960, Encl 1 to Desp 1256, American
Embassy, Bonn, OHRP Section D (VI), 1 Mar 1961.

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Econ, Pol
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J-950/03

END Letter's New Trade-Union Style, in
Quentian's Leben.

CHETAL, ing, Rheinischer bermer, Koolens, 1 Jul
1903, p. 2.

*JPHS/SF-759/SPECIAL

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The Interpretation of Elevated Alkaline Phosphatase Levels of the Serum. The Significance of 5-Nucleotidase and of the Iso-Enzyme Spectrum, by A. J. Van Erker, et al.

DUGGILL, per. Nederl. T Geneesk., Vol 107, 1963, pp 1598-1603.

NIH 8-82-64

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(SP-1855)

Prospects of Enlarging the Assortment Produced
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Equipment in the Future, by I. Gramovschi,
V. Trif, 1, pp.

ROMANIA, per, Revista Mineral, Vol. XII, May 1961,
pp 205, 206.

JPRS 12333

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Effective Means of Combating Metal Corrosion,
by M. Trifel', 6 pp.

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pp 27, 28. 9685149

PTD-TT-62-1693

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Jkm 63

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REUTERS, per. Newsday 27 Oct 1960, pp 2, 3.

JF711 12197

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Polorographic Determination of Sulphur in Organic
Compounds, by A. Trifonoff.

FRENCH, per, Comptes Rendus, Vol VII, pp 1-4, 1954.

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Sci - Chem
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Exchange of Soluabel forms of Nitrogen between
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Rybinsk Reservoir, by N. A. Trifonova.
RUSSIAN, per, Materialy Po Biol i Gridrol Volzh
Vod Isich, 1963, pp. 110-6.
*BLL Ref: RIS 4950

N. A. Trifonova

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In the Hours of the Historic Flight, by Am.
Trotter, 22 pp.

Private;
RESEAN, pp, 17 Aug 1961, pp 2, 6.

JPRS 8835

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Sep 61.

Combustion of Fuel Oil and Natural Gas in Open-
Hearth Furnaces Burners, by A. G. Trifonov, Yu. S.
Snegirev, E. V. Val'pitar, 5 pp.

RUSSIAN: Izv., Metallurg, No 10, 1960, pp. 14-18.

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Sept 61

169,006

Exploitation of a Hammering (Forging) Press
With 12000 Ton Pressure, by B. A. Trifonov,
21 pp.

RUSSIAN, bk, Peredovoy Opyt Kovki, 1959,
pp 116-133, 9671602

FTD MCL-1385/1

Sci - Engr

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Trifonov, Dmitrii Nikolaevich.
THE RARE-EARTH ELEMENTS
Prasvetit Baza, tr. 1964, 128p
Order from Macmillan Co., 60 Fifth Ave., New York
11, N. Y. \$3.50

Trans. of mosc. Detskomoed'nye Elementy, Moscow,
1960, 131p.

(Chemistry, TT, v. 12, no. 2)

TT-64-22192

I. Trifonov, D. N.
II. Macmillan Co.,
New York

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Survey of Isotopic Content, Properties and Uses
of Rare Earths, by D. N. Trifonov.
RUBIN, par. Problems Radiochem., ch 8, 1962,
pp 135-150.
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D. N. Trifonov

Sci. Chem
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A New Method for the Calculation of Statistical
Weights of Rotational Levels of Polyatomic Molecules,
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RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 1,
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Amer Inst of Phys
Sov Phys-Doklady
Vol IV, No 6

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Temperature Conditions of a Steam-Turbine Thrust
Bearing and Its Operational Reliability, by
E. V. Trifonov, S. L. Yampol'skii.
RUSSIAN, par, Elektricheskie Stantsii, No 3, 1958,
pp 23-27.
NLL HTS 2761

E. V. Trifonov
Sci - Chem
Oct 67

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Experiments for Polarization Investigations of
Chlorine and Fluorine, by S. P. Morgunov, G. I.
Tikhonov, et al., 8 pp.
Zhurnal, Vol. 40, Army Khimicheskoy Aerologicheskoy
Laboratorii, No. 40, Oct 1964, pp 100-111.
1964, 27, 228

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Feb 65

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I. A. TRIFONOV

Polymorphic high-temperature transformation of barium
titanate

Polymorphe Hochtemperaturumwandlung von Bariumtitanat

Izvest. Akad. Nauk SSSR, Ser. Fiz. , 22, No. 12, 1462-1464
(1958)

381 - German

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The Problem of Rare Earths,
by D. N. Trifonov.
RUSSIAN, bk. Problema Redkikh Zemel'.
Moscow, 1962, 221 pp.
•E8871
AEC-TT-6635

Sci - ES
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The Rare-Earth Elements, by D. N. Trifonov.

RUSSIAN, bk.

Pergamon Press

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Some Peculiarities in the Band Shape of P
Optical Spectra and in the Mossbauer Effect
of Impurity Crystals, by E. D. Trifonov, 5 pp.
RUSSIAN, per, Fiz Tverdogo Tela, Vol VI, No 2,
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Amer Inst of Phys
Soviet Phys - Solid State
Vol VI, No 1

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On the Question of the Symmetry of the Multielectron
Schrödinger Wave Function, by E. D. Trifonov, 4 pp.

RUSSIAN, per, Zhur Eksp. i Teor. Fiz, Vol XXIV,
1958, pp 1643, 1644.

ABC KP 161

Sci - Phys

Dec 58

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Measurement of Axial Stresses in a Steam
Turbine, by B. F. Trifonov, S. L. Yanpolskiy.

RUSSIAN, per, Elek Stantsii, No 3, 1957,
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NLI Ref. 9022.09 1963 (2,918)
(Loma)

Sci - Engr
Nov 63

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Trifonov, E. V. and Yampolskii, S. L.
 MEASUREMENT OF AXIAL STRESSES IN A STEAM
 TURBINE. [1963] [50] C. E. Trans. 2918;
 Order from OTC SIA or ETC \$1.10 TT 63 23973

Trans. of Elektrotekhnika (USSR) 1957,
 v. 28 (no. 3) p. 19-21. (Abstract available)

DESCRIPTION: *Steam turbines, Axial shafts,
 *Stresses, Oil, Films, Pressure, Manometers,
 Measurement.

A method for measuring axial stresses in steam
 turbine shafts by use of a manometer to measure
 pressure of an oil film in the thrust bearing is
 presented.

(Machinery - Engines, TT, v. 11, no. 1)

TT 63 23973

- I. Trifonov, E. V.
- II. Yampolskii, S. L.
- III. CE Trans 2918
- IV. Central Electricity
 Generating Board
 (Gt. Brit.)

U.S. Patent Office

Office of Technical Services

BRITTON, I.

Metall Und Erz, vol. 30, pp. 46-7, 1000 words; 1933.

The Evolution of Sulphur Dioxide from Calcium
Sulphate plus Calcium Sulphide Mixtures (Blast Furnace
Slag) at Elevated Temperatures as Favored by Iron
Oxides.

Butcher Trans, Crerar No. 125, 61.50.

812.69

TRIFONOV, PROF. I.
MIREV, D.

Archiv Eisenhüttenwesen, vol. 7, pp. 337-341,
8 figs., 3,700 words; 1933.

The Role of Lime in the Desulphurization of
Iron and Steel.

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